Locker Lock

Cross Reference to Related Applications

This invention claims priority to United States Provisional Patent Application Serial No. 60/419,250, entitled LOCKER LOCK DIAL filed October 17, 2002.

Background of Invention

[0001]   Lockers have been around for many years as a means of preventing the unauthorized access of others to articles contained within the locker. Over the years, locks have been made in many different shapes and sizes, and with their respective right-hand and left-hand door models, for many applications.   The locker designs have changed slightly, but the locker locking mechanism has stayed fairly constant.

[0002]   Typically, locker locking mechanisms consist of two types: the single-point latching mechanism and the multiple-point latching system. Both types of locker locking mechanisms are positioned furthest from the hinges and nearest the edge of the locker door that opens, and in the center position of that edge. This increases the strength of the locking mechanism by providing the best possible mechanical advantage. The single--point latching system provides a single point where the locker door is prohibited from opening. This type of latching system typically is designed to utilize either a hang-on lock or a horizontal built-in lock. The multiple-point latching mechanism provides multiple points where the locker door is prohibited from opening. The multiple-point latching system typically is designed to utilize either a hang-on lock or a vertical built-in lock.

[0003]   Historically there have been three types of built-in locker locks: the vertical built-in lock; the horizontal built-in spring bolt; and the horizontal built-in dead bolt. Each of these locks have been designed to accommodate both the right-hand and the left-hand door models, doubling the total number of built-in locks used for locker to six.

[0004]   The vertical built-in lock is named for the relative movement of its locking bolt and assembly to the locker. Present vertical built-in locks are available for both right-handed and